

**OUACHITA BAPTIST UNIVERSITY**

Degree: B.S.

Major: Biomedical Sciences, Physics Option

2017-18

<b>COMMON CORE</b>		<b>Credit Hours</b>
All students take the following courses.		
CORE 1002	OBU Connections <sup>†</sup>	2
CORE 1023	The Contemporary World	3
CORE 1043	Composition I	3*
CORE 1113	Survey of the Bible	3
CORE 1123	Interpreting the Bible	3
CORE 2213	Western Civilization in Global Context	3*
CORE 2233	World Literature	3
CORE 2334	Scientific Inquiry (Satisfied by major)	0
CORE 3023	Scientific Connections (Satisfied by major)	0
* Students are expected to transfer in six hours of credit that will count toward the Common or Flexible Core requirements. CORE 1043 and 2213 are recommended.		
<b>FLEXIBLE CORE</b>		
Choose as indicated from each of the seven categories.		
<b>Analytic &amp; Quantitative Reasoning (One course*) (Satisfied by Additional Area Requirements)</b>		0
MATH 1003	College Algebra	
MATH 1033	Mathematics for the Liberal Arts	
PHIL 1003	Introduction to Philosophy	
PHIL 1023	Logic	
* Students with ACT math score of 22 or less (SAT 530 or less) must choose one of the MATH courses.		
<b>Applied Skills</b>		3
COMM 1003	Fundamentals of Public Speaking	
FINN 2003	Personal Finance	
<b>Artistic Engagement (One course**)</b>		3
FINA 3113	Fine Arts: Art	
FINA 3123	Fine Arts: Music	
FINA 3133	Fine Arts: Theatre	
** May be satisfied by participation in the European Study Program.		
<b>Civic Engagement in America (One course)</b>		3
PSCI 2013	American National Government	
HIST 2003	United States History to 1877	
HIST 2013	United States History Since 1877	
<b>Intercultural Appreciation and Communication<sup>†</sup> (Two courses)</b>		6
CHIN, FREN, GERM, GREK, HEBR, ITAL, LATN, JAPN, RUSS, SPAN	Two semesters of credit in the same foreign language. May also be satisfied by approved language-intensive study-abroad experience.	
<b>Physical Well-being (One course)</b>		2-3
KIN 1002	Concepts of Wellness	
KIN 2073	Health and Safety	
LST 2013	Outdoor Leisure Pursuits	
<b>EXPERIENTIAL CORE</b>		
CHAP 1000	Chapel (6 credits required)	0
FINA 4011	Arts Engagement Series	1
<b>Total</b>		<b>38-39</b>

<sup>†</sup> For more detail, refer to the School of Interdisciplinary Studies section of the catalog.

<b>GENERAL GRADUATION REQUIREMENTS</b>	
7 Chapel Credits, or 1 per semester for transfer students	
2.000 minimum GPA (overall, OBU, major, and minor)	
At least 24 hours with grades of C or higher in the major	
Jr./Sr. Hours: At least 39 total, 12 in the major and 6 in the minor	
At least 60 hours taken at OBU, including 30 of last 36 hours.	

<b>MAJOR</b>		<b>Credit Hours</b>
BIOM 1242	Freshman Research Experience	2
BIOL 2014	Human Anatomy & Physiology I	4
BIOL 2024	Human Anatomy & Physiology II	4
BIOL 3683	Bioinformatics	3
BIOM 3681	Biomedical Science Seminar (taken twice for credit)	2
BIOL 4054	Genetics (Prerequisite: MATH 2014 or 2063)	4
BIOL 3014 <i>or</i> BIOL 4064	Microbiology <i>or</i> Cell and Molecular Biology	4
Choose one of the following:		
BIOL 3064	Neuroscience	3 - 4
BIOL 4013	Histology and Microtechniques	
BIOL 4243	Infectious Disease (Prerequisite: BIOL 3014)	
Field Course	Field Course	
BIOM 4563 <i>or</i> BIOM 4643	Medicinal Chemistry <i>or</i> Medical Physics	3
BIOL 4341	Laboratory Peer Instructor	1
BIOL 4002	Research Capstone	2
<b>Total</b>		<b>32-33</b>

<b>MINOR: PHYSICS</b>		
PHYS 2024, 2034 <i>or</i> PHYS 2054, 2064	College Physics I & II <i>or</i> University Physics I & II	8
PHYS 3004	Introduction to Modern Physics	4
PHYS ____	Physics elective	1-4
PHYS ____	Physics elective	1-4
<b>Total</b>		<b>18</b>

<b>ADDITIONAL AREA REQUIREMENTS</b>		
ENGL 3013	Technical & Professional Writing	3
CHEM 1004	General Chemistry I	4
CHEM 1014	General Chemistry II	4
MATH 2014 <i>or</i> MATH 2063	Calculus I <i>or</i> Elementary Statistics	4
NSCI 2001	Health Professions Seminar	1
NSCI 4002	Medical Terminology	2
PSYC 1013 <i>or</i> SOCI 1003	General Psychology <i>or</i> Introduction to Sociology	3
PSYC 3013 <i>or</i> SOCI 4073	Social Psychology <i>or</i> Medical Sociology	3
SERV 2000	TranServe (two semesters required)	0
<b>Total</b>		<b>24</b>

<b>ELECTIVES:</b> Choose courses to total 120 hours, including 39 Jr/Sr-level hours.	<b>6-8</b>
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<b>ADDITIONAL EXPERIENCES (Not Coursework)</b>	
Biomedical Sciences Boot Camp	
Study Abroad Experience	
120 hours of clinical shadowing	
One on-campus and one off-campus research presentation	
Apply for at least two off-campus research positions	

<b>CREDIT HOUR SUMMARY</b>	
<b>CORE</b>	<b>38-39</b>
<b>MAJOR</b>	<b>32-33</b>
<b>MINOR</b>	<b>18</b>
<b>ADDITIONAL AREA REQUIREMENTS</b>	<b>24</b>
<b>ELECTIVES</b>	<b>6-8</b>
<b>Total</b>	<b>120-122</b>